

20010605.qrp v02_n211.qrl.20010605

Date: Tue, 5 Jun 2001 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2211

QRP-L Digest 2211

Topics covered in this issue include:

- 1) [99401] copper foil
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 2) [99402] Superglue lifetime
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 3) [99403] poor swr in attic
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 4) [99404] Re: Using Computer Power Supplies with Radios
by Paul Kiciak <pkiciak@att.net>
- 5) [99405] Re: MH-101 - VFO comes alive in Cajunland
by Slqghp@aol.com
- 6) [99406] [99348] Re: Op Amps. Interchangeable?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 7) [99407] FYI DX
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- 8) [99408] poor swr in attic
by "Charles Mabbott" <crmabbott@mediaone.net>
- 9) [99409] Re: FYI DX
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- 10) [99410] Airmobile?
by Louis Hlousek <lhlousek@nvhbell.net>
- 11) [99411] Rock Bending Rcvr - other bands?
by "Delbert Long" <ad6we@hotmail.com>
- 12) [99412] Re: [99348] Re: Op Amps. Interchangeable?
by "Paul Christensen" <paulc@mediaone.net>
- 13) [99413] re: QRP ARCI Milliwatt Field Day
by "Jim" <sunwatt@starband.net>
- 14) [99414] Need schematic for Ten-Tec 1340
by KD1YV <kd1yv@mindspring.com>
- 15) [99415] "VE3AYR's FT-817 Pack-It Reference"
by "Rod Cerkoney, N0RC" <n0rc@gmx.net>
- 16) [99416] Re: Balanced feedline from the shack (was "Where do I put it")
by "George, W5YR" <w5yr@att.net>
- 17) [99417] Vendor information needed
by "John Burnley" <burnleyia@home.com>
- 18) [99418] Re: Manhattan Style - Super Glue Performance With Age?
by "Don Wilhelm" <w3fpr@arrl.net>
- 19) [99419] Re: PSK for Linux

- by mugglesto@ecentral.com
- 20) [99420] Time and date website
by "Rod Cerkoney, N0RC" <n0rc@gmx.net>
- 21) [99421] Re: [99348] Re: Op Amps. Interchangeable
by "James R. Duffey" <jamesd1@flash.net>
- 22) [99422] ARS Sprint
by "Rod Cerkoney, N0RC" <n0rc@gmx.net>
- 23) [99423] JW0PK on 14.004 @ 0512Z
by David Gauding <david.gauding@bbs.galilei.com>
- 24) [99424] Re: Balanced feedline from the shack
by "George, W5YR" <w5yr@att.net>
- 25) [99425] HELP FRG-7
by Dominique FERRAND <dominique.ferrand@st.com>
- 26) [99426] Re: Balanced feedline from the shack
by Dave Sjolín <sjolin@swbell.net>
- 27) [99427] Re: Balanced feedline from the shack
by Dave Sjolín <sjolin@swbell.net>
- 28) [99428] RE: ARS Sprint
by "Paul Warman" <pswarman@pswarman.screaming.net>
- 29) [99429] Re: Ten Tec 1208
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 30) [99430] Speedometers, Thermometers, SWR Meters, and Smith Charts
by Beth Gardner / Dan Maguire <BethDan@pacbell.net>
- 31) [99431] Re Using Computer Poewer Supplies with Radio's
by Jack Bennett <J.Bennett@lboro.ac.uk>
- 32) [99432] Rochester QRP'er
by Bill Lazure <n2tpa@juno.com>
- 33) [99433] 2000 Sweepstakes Phone Results
by "Brian J Keegan" <brimail@home.com>
- 34) [99434] Re: HELP FRG-7
by David Newkirk <dpnewkirk@home.com>
- 35) [99435] Re: Airmobile?
by Jake Brodsky <frussle@erols.com>
- 36) [99436] VHF Contest QTH in Orange/LA, CA?
by "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
- 37) [99437] RE: HELP FRG-7
by Michael Melland <w9wis@charter.net>
- 38) [99438] NEQRP SSB NET Tuesday 7:00PM EDST 7.285 +- 5
by "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
- 39) [99439] FS: Ten Tec Century 21 and 670 keyer
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 40) [99440] RE: [99348] Re: Op Amps. Interchangeable?
by Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
- 41) [99441] Wide posts, how come?
by "Bob Tellefsen" <n6wg@earthlink.net>
- 42) [99442] Re: Wide posts, how come?
by Phil Wheeler <w7ox@earthlink.net>
- 43) [99443] Re: Wide posts, how come?

by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
44) [99444] Milliwatt issues FS
by Bob cutter <ki0g@yahoo.com>
45) [99445] Re: Wide posts, how come?
by Garie Halstead <k8kfj@ntelos.net>
46) [99446] Re: Wide posts, how come?
by "George, W5YR" <w5yr@att.net>
47) [99447] Re: Wide posts, how come?
by "Ingo DK3RED" <dk3red@t-online.de>
48) [99448] Telescoping Poles?
by N1EU <n1eu@yahoo.com>
49) [99449] Re: Wide posts, how come?
by "Brian" <bmmurray@amexol.net>
50) [99450] RE: Telescoping Poles?
by "Newell, John O" <JNewell@goodwinprocter.com>
51) [99451] Re: Telescoping Poles?
by "ZOOM" <kandrparker@sympatico.ca>
52) [99452] Re: Telescoping Poles?
by "Ingo DK3RED" <dk3red@t-online.de>
53) [99453] QRP Quarterly FS
by Bob cutter <ki0g@yahoo.com>
54) [99454] 11-2-10 FS
by Bob cutter <ki0g@yahoo.com>
55) [99455] Heath Dip Meter FS
by Bob cutter <ki0g@yahoo.com>
56) [99456] Re: Telescoping Poles?
by Phil Wheeler <w7ox@earthlink.net>
57) [99457] 20<=>6 Transverter
by "Steven Weber" <kd1jv@moose.ncia.net>
58) [99458] Re: Wide posts, how come?
by russo@bogoflux.losalamos.nm.us
59) [99459] Midland SWR Meter, Realistic DX-300, and Tuna Tin 2 happenings
by "Conant, Paul" <paul.conant@lmco.com>
60) [99460] The Complete DXer
by Mark Janzer <k5mgj@excite.com>
61) [99461] Tape measure Antenna
by "Mugleston, Brad" <brad.mugleston@gwl.com>
62) [99462] RE: The Complete DXer
by "Mike D." <hrg@cifnet.com>
63) [99463] Re: Tape measure Antenna
by Sam Smith <sam.smith@ece.gatech.edu>
64) [99464] Re: Tape measure Antenna
by Brian Milesosky <n5zgt@swcp.com>
65) [99465] [re]Call for FOXES--deadline approaching
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
66) [99466] TEST MESSAGE
by DENNIS SMITH <ne4o@swbell.net>
67) [99467] Fox - Summer Fox Hunt Teams -

by Bruce Rattray <rattray@gpfn.sk.ca>
68) [99468] Re: Tape measure Antenna
by Bruce Muscolino <w6toy@erols.com>
69) [99469] Re: TEST MESSAGE
by John Birkett <jbirk44@yahoo.com>
70) [99470] RE: TEST MESSAGE
by "John L. Sielke" <w2agn@pobox.com>
71) [99471] RE: Tape measure Antenna
by "Mugleston, Brad" <brad.mugleston@gwl.com>
72) [99472] RE: TEST MESSAGE
by <schoon@amgt.com>
73) [99473] Re: Telescoping Poles?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
74) [99474] FS QRP Plus \$300
by David McGinnis <n7mjw@yahoo.com>
75) [99475] OT-Wide posts like attachments
by Bob Kellogg <ae4ic@nr.infi.net>

Date: Mon, 4 Jun 2001 18:10:23 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <makai@grouper.batelnet.bs>
Cc: <qrp-1@Lehigh.EDU>
Subject: [99401] copper foil
Message-ID: <019e01c0ed4b\$8865fffd0\$4e100a0a@rohredt2000>

Thanks for that lead, but OUCH! That is expensive as is most marine store stuff. Far cheaper would be the bronze, (copper bearing) window and door metal weather stripping which comes in a role for about \$7 for 25 feet or more.

72,
Stuart K5KVH

Date: Mon, 4 Jun 2001 18:25:22 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Dave Fifield" <ad6a@earthlink.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [99402] Superglue lifetime
Message-ID: <01e201c0ed4d\$a06210e0\$4e100a0a@rohredt2000>

Dave,
Using the industrial versions, (little tube, but sold via industrial distribution as opposed to Walgreen's) I had superglue last several years,

until I wanted to take the box off the plate to which it was glued,
(aluminum rack plate, with mini box glued to it.) The paint failed, rather
than the glue when I used a chisel edge to pry between them.

Heat does cause superglue to let go, I have used that method, and suspect
that repeated soldering to a Manhattan pad could do the same.
Thus, for whatever its worth, my two cents is good glue can last 3 years or
more or did here in an indoor air conditioned lab.

72,

Stuart K5KVH

Date: Mon, 4 Jun 2001 18:29:26 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <jdilorenzo3301@altavista.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [99403] poor swr in attic
Message-ID: <01e801c0ed4e\$31bc2620\$4e100a0a@rohredt2000>

Hi, it may be the proximity of the dipole and balun to other conductors in
attic. Are there some?

I have had similar results and suggest you simply remove the balun and see
if things get better without RF in the shack.

For QRP in the attic, use of the balun may not be warranted.

72,

Stuart K5KVH

Date: Mon, 04 Jun 2001 23:33:40 +0000
From: Paul Kiciak <pkiciak@att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99404] Re: Using Computer Power Supplies with Radios
Message-ID: <3B1C1AD4.93F39457@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I should clarify my previous post.

First the power supply I modified was originally intended for a desktop system and is rated for 200 watts: mostly +5V at 20 amps and +12V at 8 amps.

When I got this supply at a ham free flea, I too was initially concerned about soaring output voltages at no load. So I did a load test using power resistors and verified that it wasn't a problem on this supply. But these supplies are not all the same, so I would recommend doing a load test on any power supply being considered for use using a load that you don't care about, hi.

Then I did the adjustment to raise the +12V output level which also raised the voltages on all other outputs as well. I re-did the load test and found it to run +14.9V at 0 amps and +14.6V at 2.5 amps. The most I ever draw from this supply is 4 to 5 amps and the only output I use is the nominal +12V level.

Switching noise from the power supply must also be carefully evaluated, particularly if it is being used for transmitting. The transmitted output will contain spurious outputs separated on either side of the desired transmit frequency by multiples of the switcher frequency.

So, for example, if you have a typical 50 kHz switcher and you want to transmit on 7050 kHz, you will also have outputs some number of dB down from your carrier or maximum output at 7000, 7100 and probably further out multiples of 50 kHz. The number of dB down depends on the quality of the power supply and any additional filtering that you might add.

In my case, I verified these spurious outputs were OK using a spectrum analyzer while transmitting into a shielded dummy load that has a very weakly coupled sampling port on it.

It's probably harder, but it should be possible to do a similar test without a spectrum analyzer using a calibrated step attenuator like N9SFX did in May 98 QST and the S-meter on a shielded or remotely located receiver. The receiver must be shielded enough or remote to avoid stray coupling around the attenuator. The S-meter is simply used as a relative indicator to adjust the indicated carrier level with the calibrated attenuator down the same S-meter reading on each of the spurious outputs.

Just be mindful of the maximum RF level being applied to your receiver!

Since 1 watt into a 50 ohm dummy load is +30 dBm and you shouldn't apply more than maybe -20 dBm to your receiver, that's 50 dB of attenuation minimum that you start at while the step attenuator is at 0 dB. Higher transmitter output means high base attenuation and suitably scaled power ratings as well.

Anyway, sorry for the excess detail on measuring spurious transmitter outputs..

73, Paul

<http://home.att.net/~n2pk>

Date: Mon, 4 Jun 2001 19:37:33 EDT
From: Slqghp@aol.com
To: n5ib@juno.com, qrp-1@lehigh.edu
Subject: [99405] Re: MH-101 - VFO comes alive in Cajunland
Message-ID: <ce.15adb4e5.284d75bd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 6/4/01 15:12:17 Eastern Daylight Time, n5ib@juno.com writes:

<< >My layout is similar to Chuck's.... I started with a larger substrate board,
>not being quite so confident of being able to do as space-efficient a
>job as The Master. I'll try to get some pics on my web page by Tuesday of
of
>next week. <<http://www.qsl.net/n5ib/>> >>

Better a little larger than never-quite-finished.

Hap, WA3PTG
Wilmington DE

Date: Mon, 4 Jun 2001 17:02:17 -0700
From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
To: "'ad6a@earthlink.net'" <ad6a@earthlink.net>, "'dpayton@fwi.com'" <dpayton@fwi.com>, "'qrp-1@Lehigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [99406] [99348] Re: Op Amps. Interchangeable?
Message-ID: <87568F78ABDCD211A0AC0008C707718B058C2C7F@az10exm03.sat.mot.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

>I'm building Rick Campbell's 'Small High Performance CW Transceiver' from
>Nov. '95 QST. It uses the mini-R2 board which calls for (2) NE5532 dual
>low-noise op amps. and (2) NE5514 quad low-noise op amps. I can't find
>NE5514's anywhere and don't have NE5532's on hand. I do have a bunch of
>LF353 dual low-noise J-FET input op amps and some TL074 quad low-noise J-FET
>input op amps. though. Are these interchangeable?

The NE5532 is a very commonly available chip, but sometimes it has a different prefix. It is available from Mouser as the NJM5532D (\$0.63). This part has an input noise of about 4 nV/SqrtHz. I have a bunch of LM833s that are in the same noise class, 4.5 nV/SqrtHz.

It is this input voltage noise that will limit the sensitivity of your R2 receiver. The TL074/72 op-amps are 18 nV/SqrtHz. This is a 12 db noise difference, and your receiver sensitivity will suffer by 12 db. On 40m this may not matter, but on higher bands the extra sensitivity is indeed useful.

The absolute best you can do are LT1115s at 0.9 nV/SqrtHz, which is 14 db better than the NE5532, and 26 db better than the TL074. However, other noise sources in the circuit (such as resistors) will not let you actually achieve this kind of performance.

I have a noise spreadsheet for the front end of my Tayloe Detector R2 type receivers that has good agreement with measurements I have taken. Plugging in for the above op-amps, that model shows the following performance:

LT1115: -143 dbm @ 350 Hz
NE5532: -136.6 dbm @ 350 Hz
TL072: -124.4 dbm @ 350 Hz

The noise figure does make a big difference. On 40m I have been told that -116 dbm is about as noise free as the band gets. However, on 20m, I have heard weak, usable signals with a -143 dbm receiver that -138 dbm receivers could not detect.

There are newer parts that are available, but these tend to be low voltage parts (3v, 5v). A cheap 3v part is the TS462 (Mouser), a dual 4 nV/SqrtHz part, but it has very poor drive capability. Unlike the 12v parts, I have not found anything much better than 4 nV/SqrtHz in the 3v op-amp family.

When selecting a low noise op-amp for cw purposes, you must read the fine print. The parts that are rated as being better than this have a noise curve that shows poor noise below 1 KHz (the area we listen to cw at), and low noise at a higher frequency such as 10 KHz or 100 KHz.

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Mon, 4 Jun 2001 20:39:24 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA
QRP Club" <epaqrp-l@Lehigh.EDU>
Subject: [99407] FYI DX
Message-ID: <01da01c0ed57\$f8e0e5c0\$7d0f5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I just worked IK0YVV from Italy on 15 meters.

I was using my K2 with 1 watt out into my Butternut
HF9V on the roof.

Marco gave me a 559, he was surprised that I was
QRP with 1 watt.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	BB #35 N3EPA
ARS # 380	HI QRP #153
VA QRP Society #45	MI QRP #1703
K2 sn1392	NJ QRP #179

Date: Mon, 4 Jun 2001 20:42:11 -0400

From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <rohre@arlut.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99408] poor swr in attic
Message-ID: <GAECLOGOMILPLBGKKPEGGECACIAA.crmabbott@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Depending on the layout of the antenna in the attic
you may find that the calculated length and the length
that works well is different.

Be careful of metal vent pipes, etc. that come up from
the house to the vents. Are there things such as sun
openings, exhaust fans, etc. that could be throwing your
readings?

I have used antenna in the attic and have always used
a tuner, because I wanted to work multi-bands. I have
had good luck

73 ES oo
Chuck AA8VS
fp-113

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
Stuart Rohre
Sent: Monday, June 04, 2001 7:29 PM
To: Low Power Amateur Radio Discussion
Subject: poor swr in attic

Hi, it may be the proximity of the dipole and balun to other conductors in
attic. Are there some?

I have had similar results and suggest you simply remove the balun and see
if things get better without RF in the shack.

For QRP in the attic, use of the balun may not be warranted.

72,
Stuart K5KVH

Date: Mon, 4 Jun 2001 20:45:54 -0400
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>, ". Eastern PA
QRP Club" <epaqrp-l@Lehigh.EDU>
Subject: [99409] Re: FYI DX
Message-ID: <01e201c0ed58\$e1300720\$7d0f5cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I made the QSO at 00:29 UTC June 5, 2001.

72 & 73
Ron de WB3AAL
www.n3epa.org

Date: Mon, 04 Jun 2001 17:48:12 -0700
From: Louis Hlousek <lhlousek@nvhbell.net>
To: QRP-L list <qrp-l@Lehigh.EDU>, Elecraft-list <elecraft@qth.net>
Subject: [99410] Airmobile?
Message-ID: <03c401c0ed59\$32bd1a60\$650dfea9@0016297931>
MIME-version: 1.0
Content-type: text/plain; charset="Windows-1252"
Content-transfer-encoding: 7bit

Anybody have experience with HF airmobile antennas? I want to setup my
K2 for some airborne CW and need some ideas on antennas. First thing
that comes to mind is mounting a HamStick pointed backward on my tail
wheel strut.

Lou W7DZN

Date: Tue, 05 Jun 2001 00:58:11 -0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [99411] Rock Bending Rcvr - other bands?
Message-ID: <F111WTRxoPsIc839xjQ0000f9be@hotmail.com>
Mime-Version: 1.0

Content-Type: text/plain; format=flowed

I am interested in the "Rock Bending Receiver" project in the current ARRL handbook, and wonder if anyone has tried it on other bands, especially 30 meters?

Thanks, Del AD6WE

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Mon, 4 Jun 2001 21:04:22 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99412] Re: [99348] Re: Op Amps. Interchangeable?
Message-ID: <005001c0ed5b\$7aa03360\$6401a8c0@se.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> The absolute best you can do are LT1115s at 0.9 nV/SqrtHz, which is 14 db better than the NE5532, and 26 db better than the TL074. However, other noise sources in the circuit (such as resistors) will not let you actually achieve this kind of performance.

Also, don't discount the Analog Devices AD797. It offers the same input voltage noise specification as the LT1115, and better slew rate characteristic at 20 V/us. Between the two, I would opt for the device with lowest price tag.

But both the LT1115 and AD797 devices are single op-amps and won't work as a substitute for the NE5532 in the mini-R2 application. Does anyone know of a dual and/or quad version of these op-amps that comes reasonably close to the input voltage noise and slew rate of these op-amps? The LT1124 and AD745 are nearly mirror images of each other but only offer the noise performance of the NE5532 at 4 nV/(root) Hz.

-Paul, W9AC

Date: Mon, 4 Jun 2001 20:13:07 -0500
From: "Jim" <sunwatt@starband.net>

To: "QRP-L" <qrp-L@Lehigh.edu>
Cc: <qrpp@yahooogroups.com>
Subject: [99413] re: QRP ARCI Milliwatt Field Day
Message-ID: <001b01c0ed5c\$b68641c0\$9a354794@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Jim, KJ5TF, sent a note about this earlier today. I'll
>expand on it a bit.

>The ARRL Field Day is June 23 and 24. QRP ARCI has a
>piggy-back contest on the regular Field Day. The piggy-back
>contest name is Milliwatt Field Day. The name is a
>misnomer. You do NOT have to run less than 1 W to enter.
>The classic QRP CW power level of 5 W or less is just fine.
>(Since ARRL runs the main contest and they say QRP SSB is 5
>W PEP, you'd be better off to just follow their lead on that
>point.)

Thanks for elaborating on this Randy. I for one didnt have the full score of
the ARCI piggy back contest. Glad you caught my omission !

It'll be great to see allot of /QRP on field day.

>The ARCI entry classes are 1) one watt or less - one
>operator, 2) one watt or less - two operators, one
>transmitter, 3) five watts max - one operator, 4) five watts
>max - two operators, one transmitter, and 5) club class. So
>you can see we've got a class for nearly every QRP group.

>To enter use the ARRL rules and scoring then send me a
>summary sheet either by e-mail or regular mail at

Everyone be sure to download a free copy of QRP Dupe well in advance of
Field Day. This little program, (180k) by K7RE will keep a running score as
you enjoy Field Day. I think seeing your score mount up this way forces me
to try harder. Try it and see if it works the same for you.
It checks for dupes, naturally, and does other things as well. So check it
out.

We dont hear enuf from the Scorpion QRP Club, but this fine piece of
software is here for everyone to enjoy in every contest. Thanks guys!

<http://www.dancris.com/~bkassel/index.htm#top>

BTW, I think it works on all the ARCI contests.

Again thanks Randy for clearing that up.

72's de Jim KJ5TF

>Randy Foltz
>809 Leith St.
>Moscow, ID 83843

>For complete ARRL rules see the May issue of QST.

>The QRP ARCI contest results will appear in the January 2002
>QRP Quarterly issue.

>73,
>Randy, K7TQ
>QRP ARCI Contest Chairman

Date: Mon, 04 Jun 2001 21:34:30 -0400
From: KD1YV <kd1yv@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [99414] Need schematic for Ten-Tec 1340
Message-ID: <3B1C3726.30AD61FE@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Help! I bought a Ten-Tec 1340 at a hamfest yesterday, and the guy swore that it worked, but when I connected it to a dummy load and keyed down, there was no discernable movement of my power meter (scale resolution 0.25 W). The exciter stage seems to work, since my daughter could copy me about 2 miles away.

Of course, he didn't have the manual with him -- he is going to mail it to me. If I don't get it, I'll order one from Ten-Tec, but in the meantime, does anybody have a schematic that they could scan in and e-mail to me?

Thanks in advance,

--

72/73 de Jim, KD1YV
Changing my e-mail address. Update your address books to
mailto:KD1YV@ARRL.NET

Date: Mon, 4 Jun 2001 20:08:23 -0600
From: "Rod Cerkoney, N0RC" <n0rc@gmx.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [99415] "VE3AYR's FT-817 Pack-It Reference"
Message-ID: <000b01c0ed64\$6859c500\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Ran across this item while web surfing:

<http://www.bigwave.ca/~janus/hrm/FT-817/index.html>

Thought you 817 owners might find it interesting/useful.

73, Rod N0RC
Ft Collins, CO

 SuperFest 2001 14-Jul-2001
 <http://www.qsl.net/n0rc/hamfest/hamfest.html>
 BE THERE!

Date: Mon, 04 Jun 2001 21:09:20 -0500
From: "George, W5YR" <w5yr@att.net>
To: dandoooley@pipeline.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99416] Re: Balanced feedline from the shack (was "Where do I put it")
Message-ID: <3B1C3F50.9A5DBA7@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Easy, Dan! You take a 25-ft RG-213 cable and cut it in half - I needed two coax lengths. That gives you two 12.5 ft lengths. Stick about 6 in of W2DU

bead balun on one end and connect that to the ladderline. Total: about 13 feet! It also *just so happens* that 13 ft is almost exactly the length required to go from the outside balun location to the tuner inside the shack.

Of course, as an engineer, I would never admit that all this was not completely planned out in advance . . .

There is nothing magic about that length, as is the case with almost all transmission lines connected to antennas that are operating properly - not counting tuning stubs, etc. of course.

Subsequent measurements with the AEA/Tempo CIA-HF analyzer at the end of the coax have shown very convenient load impedances on all bands from 80 through 10 with the ladderline connected to an 88-ft extended double zepp on 20 meters. I remain a firm believer in using "non-resonant" antenna lengths with tuned-feeder systems.

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

"Dan W. Dooley" wrote:

> 6. Ladder line from the antenna to a 1:1 current balun outside the shack to
> a 13 ft. run of RG213 to the tuner in the shack. (Not sure where the idea
> of the "13 ft. run" came from.)

Date: Mon, 4 Jun 2001 20:57:38 -0500
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>
Subject: [99417] Vendor information needed
Message-ID: <001401c0ed62\$e6554620\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

The Iowa QRP Club will be out in full force at the upcoming
Hamboree on June 15-16, 2001 (more info later). There will be QRP
presentations as well as our usual display table. If any vendors

would like your information included at our display table,
please email me privately. Thanks in advance.

72, John NU0V

Date: Mon, 4 Jun 2001 22:25:48 -0400
From: "Don Wilhelm" <w3fpr@arrl.net>
To: <ad6a@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99418] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <008201c0ed67\$15a4a520\$dc2b3604@dbw11main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave and gang,

In my experience with Manhattan style construction, after everything is
soldered in place it does seem to self support. So even if the SuperGlue
does come loose with time, I do not believe it will be a problem to the
circuit performance. YMMV.

Of course, one could use a good epoxy if the circuit board was to be used in
a critical situation. In that case, I would chose to use the SuperGlue
during construction and testing, then when it is up and running, I would
dribble some epoxy over the places where the pads are located. Once done,
future changes would be difficult through the epoxy coating.

73,

Don Wilhelm -Chapel Hill, NC W3FPR home page: <http://www.qsl.net/w3fpr/>
QRP-L # 485 K2 SN 0020 [mailto: w3fpr@arrl.net](mailto:w3fpr@arrl.net)

----- Original Message -----

From: "Dave Fifield" <ad6a@earthlink.net>

> Anyone know how well cyanoacrylate glues hold
> up with time/temperature cycling? A few things that
> I have stuck in the past with this stuff have broken
> apart again after a couple of years. The glue seems
> to get brittle with age. Does everyone use this glue
> for their Manhattan style projects or are there some
> alternatives out there?
>

Date: Mon, 4 Jun 2001 19:46:38 -0600 (MDT)
From: mugglesto@ecentral.com
To: laura halliday <marsgal42@hotmail.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99419] Re: PSK for Linux
Message-ID: <Pine.LNX.4.10.10106041942120.941-100000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

OK, I got a few good suggestions and here are the results:

```
As ROOT
connection 0.0 refused by server
client is not authorized to connect to server
can't open display .0
```

As User

```
did ---  chmod u+s twpsk
```

```
run using either twpsk or twpsk -t/dev/ttyS1
```

```
error
using full duplex mode
*cannot open PTT device /dev/ttyS1: no such file or directory
run_master_thread()
using 24 bpp true color
```

Still not working but I think we are closer. The unit does work under Windows so the port should be working with the controller.

Thanks

Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

On Mon, 4 Jun 2001, laura halliday wrote:

```
> Brad KI00T wrote:
>
```

> >I have TWPSK for Linux loaded and running but it will not
> >trigger my com port (ttyS1 or Com2) when I try to send.
> >I did a standard install and everything else works FB.
>
> What is the error message?
>
> Make sure the serial ports are writable. By default,
> only root can write to them.
>
> Laura Halliday VE7LDH "Que les nuages soient notre
> Grid: CN89mg pied a terre..."
> ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte
>
> -----
> Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.
>
>

Date: Mon, 4 Jun 2001 21:06:53 -0600
From: "Rod Cerkoney, N0RC" <n0rc@gmx.net>
To: "Elecraft-list" <elecraft@qth.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@mpna.com>
Subject: [99420] Time and date website
Message-ID: <009301c0ed6c\$9379ae50\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Here is a nifty site to help you keep track of day, date and time
around the world:

<http://www.timeanddate.com/>

73, Rod N0RC
Ft Collins, CO

 SuperFest 2001 14-Jul-2001
 <http://www.qsl.net/n0rc/hamfest/hamfest.html>
 BE THERE!

Date: Mon, 04 Jun 2001 22:03:33 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [99421] Re: [99348] Re: Op Amps. Interchangeable
Message-ID: <B741B634.A242%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The Burr Brown 2604 has a good reputation for low noise, high slew rate, and low harmonic distortion among audiophiles. I don't have my BB (now TI) data book here, but I think they are in the same noise range as the 5532. These are available from Digi-Key. Hams don't use them much, but maybe we should look into them. Is Thomas back from Germany? - Dr. Megacycle KK6MC/5

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 4 Jun 2001 22:12:07 -0600
From: "Rod Cerkoney, N0RC" <n0rc@gmx.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99422] ARS Sprint
Message-ID: <010701c0ed75\$b0419b20\$6401a8c0@c919125b>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mighty quiet bands tonight at this QTH.

At the start I had to double check that my Ant and/or RCVR wasn't malfunctioning. After about 30-45 mins. I worked all I could hear on 20m then packed it in for other activities. Oh well, guess this is how the next ten or so years will be, waiting for the next sunspot peak.

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Tue, 05 Jun 2001 00:12:30 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [99423] JW0PK on 14.004 @ 0512Z
Message-ID: <5.1.0.14.0.20010605000901.0209b6d0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

JW0PK on 14.004 @ 0512Z

Worked on 3W with Argosy II and SLX vertical.

Not luck on 500mW, 1W and 2W.

Think this is Svalbard Island but my reference is several years old.

DX still on calling CQ on 14.004 at 0515Z. Very fast!

Good luck,

de Dave, NF0R nfor@slacc.com

Date: Tue, 05 Jun 2001 00:20:22 -0500
From: "George, W5YR" <w5yr@att.net>
To: Dave Sjolin <sjolin@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99424] Re: Balanced feedline from the shack
Message-ID: <3B1C6C16.8CE88782@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave, it sounds like Mother Nature has designed your layout for you. I would only advise you to keep the ladderline at right angles to the

flat-top for as great a distance as you can and then keep the parallel portion as far away from the flat-top as you can. For 10 and 20, the numbers you mention will probably work fine. I would try to keep the parallel portion at least a foot or so away from the actual ground, although this is probably not too critical.

I have found it almost impossible to put up ladderline *without* it twisting all on its own. About one turn every foot and a half or so. The twist will tend to reduce unbalanced coupling due to proximity of the flat-top.

My experience has been that ladderline installations are usually quite forgiving, in that the tuner manages to absorb all the nitty-gritty that looks like it would be a problem.

The antenna should work well for you on 20 and up. It is a little low for 40, but will work on that band as well for close-in contacts. Sounds like you are getting ready for the Summer Fox Hunts!

If you do have any problems with loading/tuning, don't hesitate to add a foot or so of line on the offending band. On the higher bands, even a foot of line can make a big difference sometimes.

Good luck!

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Dave Sjolín wrote:

>
> "George, W5YR" wrote:
> >
> > There is nothing magic about that length, as is the case with almost all
> > transmission lines connected to antennas that are operating properly - not
> > counting tuning stubs, etc. of course.
> >
>
> George, a question for you and the group. I'm interested in putting up a
> 44 foot dipole feed with open-wire line. The apex of the antenna will be
> about 25 feet (tree is not much taller). To get to the shack from the
> antenna the open wire line will need to drop toward ground and then
> parallel one of the legs to the dipole to get to the shack. Will this be
> a major problem? What if the separation is at least 10-15 feet? How
> concerned do i need to be about twisting the feedline as there is no way

> to get a straight run from the antenna based on location of supports
> and location of access to shack.
>
> The antenna will be broadside NE/SW and will be used primarily for dx on
> 20 and 10 meters. Power from qrp to KW level.
>
> It will be interesting to see how this works. I havent had a
> horizontally polarized antenna (other than my Eggbeater for two meters)
> since the late sixties.
>
> 73 de Dave, N0IT

Date: Tue, 05 Jun 2001 07:24:08 +0200
From: Dominique FERRAND <dominique.ferrand@st.com>
To: qrp-1@Lehigh.EDU
Subject: [99425] HELP FRG-7
Message-ID: <3B1C6CF8.DDB472BF@st.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello

I search all documentation et schematic for FRG-7 Sommerkamp please

Dominique F6EPW 73

Date: Mon, 04 Jun 2001 23:34:55 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99426] Re: Balanced feedline from the shack
Message-ID: <3B1C616F.BF793A5E@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"George, W5YR" wrote:

>
> There is nothing magic about that length, as is the case with almost all
> transmission lines connected to antennas that are operating properly - not
> counting tuning stubs, etc. of course.
>

George, a question for you and the group. I'm interested in putting up a 44 foot dipole feed with open-wire line. The apex of the antenna will be about 25 feet (tree is not much taller). To get to the shack from the antenna the open wire line will need to drop toward ground and then parallel one of the legs to the dipole to get to the shack. Will this be a major problem? What if the separation is at least 10-15 feet? How concerned do i need to be about twisting the feedline as there is no way to get a straight run from the antenna based on location of supports and location of access to shack.

The antenna will be broadside NE/SW and will be used primarily for dx on 20 and 10 meters. Power from qrp to KW level.

It will be interesting to see how this works. I havent had a horizontally polarized antenna (other than my Eggbeater for two meters) since the late sixties.

73 de Dave, N0IT

Date: Tue, 05 Jun 2001 00:34:39 -0500
From: Dave Sjolín <sjolin@swbell.net>
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99427] Re: Balanced feedline from the shack
Message-ID: <3B1C6F6F.8C1309DD@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

"George, W5YR" wrote:

>
> My experience has been that ladderline installations are usually quite
> forgiving, in that the tuner manages to absorb all the nitty-gritty that
> looks like it would be a problem.

Thanks for the advice George.

73 de Dave, N0IT

Date: Tue, 5 Jun 2001 07:08:19 +0100
From: "Paul Warman" <pswarman@pswarman.screaming.net>
To: <n0rc@gmx.net>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [99428] RE: ARS Sprint
Message-ID: <MABBKIIDPNDFPNFIOFJLOEAMCEAA.pswarman@pswarman.screaming.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, but look on the bright side, that means there's all that extra time to build equipment ready for the next big opening!

Paul
G0odp

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Rod Cerkoney, N0RC
Sent: 05 June 2001 05:12
To: Low Power Amateur Radio Discussion
Subject: ARS Sprint

Mighty quiet bands tonight at this QTH.

At the start I had to double check that my Ant and/or RCVR wasn't malfunctioning. After about 30-45 mins. I worked all I could hear on 20m then packed it in for other activities. Oh well, guess this is how the next ten or so years will be, waiting for the next sunspot peak.

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Tue, 5 Jun 2001 02:16:12 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: Joe Trombino <w2kj@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99429] Re: Ten Tec 1208
Message-ID: <Pine.LNX.4.30.0106050215120.7946-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have never tried the 1208 with the K2 but for about 2 years a 1208 was my main 6m access route. I compared it against a true 6m rig and it was a very, very favorable comparison.

A fine piece of gear.

Scott

On Sun, 3 Jun 2001, Joe Trombino wrote:

> Fello QRP'ers:
>
> If any of y'all out there have used a TenTec 1208 6M transverter with a K2 I
> would appreciate any comments you might have on how well the combo works.
> The K2 I built has the internal antenna tuner.
>
> I want to get on 6M again and not sink a bunch of bucks into the effort thus
> the idea of combining the mighty K2 with a transverter.
>
> Many thanks for any info that might be provided.
>
>
> 73, Joe W2KJ K2 s/n 216
> North Carolina
>

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Tue, 05 Jun 2001 00:27:02 -0700
From: Beth Gardner / Dan Maguire <BethDan@pacbell.net>
To: qrp-l@Lehigh.EDU
Subject: [99430] Speedometers, Thermometers, SWR Meters, and Smith Charts
Message-ID: <3B1C89C6.4DC0@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Speedometers, Thermometers, SWR Meters, and Smith Charts

Have you ever wondered what these four things have in common? No, of course not, me neither! But perhaps you _have_ wondered why a Smith

chart has such strange grid lines. Believe it or not, there is a logical progression from speedometers to Smith charts which will make the Smith grid crystal clear.

To learn the connection, please point your browser to
<http://www.qsl.net/ac6la/>
and check out the latest section recently added to that site.

73,
Dan AC6LA

Date: Tue, 05 Jun 2001 10:07:45 +0100
From: Jack Bennett <J.Bennett@lboro.ac.uk>
To: qrp-l@lehigh.edu
Subject: [99431] Re Using Computer Power Supplies with Radio's
Message-ID: <3.0.6.32.20010605100745.007df3d0@staff-mailin.lboro.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For those with an interest,

Go to:-

<http://www.antennex.com/preview/>

and click on article, 15Volts Up to 40 Amps for \$25

I think you will find the article most interesting, I did.

72/73,

Jack
G3PVG

Date: Mon, 4 Jun 2001 06:07:41 -0400
From: Bill Lazure <n2tpa@juno.com>
To: QRP-L@Lehigh.edu
Subject: [99432] Rochester QRP'er
Message-ID: <20010605.054555.-207597.0.n2tpa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Sorry about the bandwidth, but I never got a name.

To The person with the QRP table at the Rochester, NY Hamfest,

Thanks for taking the time to come out and promote this aspect of our fine hobby.

I had to leave relatively early, so I never got back to you, but you'll be pleased to know I ended up with 6 Meter capability (10 W max, almost QRP).

Once again, Thank You.

Bill

W2EB

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<http://dl.www.juno.com/get/tagj>.

Date: Tue, 5 Jun 2001 06:19:13 -0400

From: "Brian J Keegan" <brimail@home.com>

To: "QRP-L" <qrp-l@lehigh.edu>

Subject: [99433] 2000 Sweepstakes Phone Results

Message-ID: <002501c0eda8\$f8fea320\$12960318@vtron1.nj.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Are now listed on the ARRL Members Only web page.

Brian KF2HC

brimail@home.com

Date: Tue, 5 Jun 2001 06:45:11 -0400

From: David Newkirk <dpnewkirk@home.com>

To: qrp-l@Lehigh.EDU

Subject: [99434] Re: HELP FRG-7

Message-ID: <01060506451100.00695@gk7>

Content-Type: text/plain;

charset="iso-8859-1"

MIME-Version: 1.0
Content-Transfer-Encoding: 8bit

Dominique, F6EPW, wrote:

> I search all documentation et schematic for FRG-7 Sommerkamp please

See the Boat Anchor Manual Archives Yaesu page at

<http://bama.sbc.edu/yaesu.htm>

73,

Dave Newkirk, W9VES
dpnewkirk@home.com

Date: Tue, 05 Jun 2001 07:49:22 -0400
From: Jake Brodsky <frussle@erols.com>
To: qrp-l@lehigh.edu
Subject: [99435] Re: Airmobile?
Message-ID: <bihpht8fn9d0ckq0e31ve1rg1nnermnk1t@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

On Mon, 04 Jun 2001 17:48:12 -0700, Lou W7DZN wrote:

>Anybody have experience with HF airmobile antennas? I want to setup my
>K2 for some airborne CW and need some ideas on antennas. First thing
>that comes to mind is mounting a HamStick pointed backward on my tail
>wheel strut.

Do you have an old ADF sense antenna installation? I do. My partners
and I are planning to use it for qrp operation in the air.

In any case, mounting anything like that in the airplane will require
a 337 approval (in other words, get your A&P involved). =20

73,=20
Jake Brodsky, <mailto:frussle@erols.com>
PP ASEL IA, Cessna Cardinal N30946, Based @ FME
Amateur Radio Station AB3A

Date: Tue, 05 Jun 2001 08:18:38 -0400

From: "Mark S. Adams, P.E." <msadams@acsu.buffalo.edu>
To: qrp-l@lehigh.edu
Subject: [99436] VHF Contest QTH in Orange/LA, CA?
Message-ID: <3886640110.991729118@oes-madams.facilities.buffalo.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

Gang,

I will be operating the VHF contest from my home QTH in WNY on Saturday, QRP of course. On Sunday, I will be at LAX at about noon local. That leaves plenty of time to find a nice hill/mountain from which to operate the remainder of the contest! Is an ocean view the hot setup to snag HI? I will have 6M SSB/CW/2-el quad capability and 2/440 FM with a beam.

** But exactly where is a good operating spot?

** Do any of you have a suggestion on this?

I will be stopping at the local bookstore to buy a map of the area but I have never been to LA. I need to be in Anaheim by late evening.
Suggestions welcome!

I think that I will need legal intervention to determine my category should I send in a log. Last year I nabbed first place WNY QRP, but of course I was the only entry :-)

72,
Mark K2QO

Mark S. Adams, P.E.
University at Buffalo
Occupational and Environmental Safety
220 Winpear Avenue
Buffalo, NY 14215-1034
Tel: 716.829.3301 Fax: 716.829.2704
Pager: 716.774.2260

Date: Tue, 05 Jun 2001 08:07:54 -0500
From: Michael Melland <w9wis@charter.net>
To: dominique.ferrand@st.com, QRP-L <qrp-l@Lehigh.EDU>
Subject: [99437] RE: HELP FRG-7
Message-ID: <NEBBLKAGEKBNGELOFFCAOEKNCIAA.w9wis@charter.net>
MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

> I search all documentation et schematic for FRG-7 Sommerkamp please

Dominique,

ftp://bama.sbc.edu/downloads/yaesu/frg7/ = schematic

http://www.crocuta.com/FRG7/ = schematic, owners manual all info.

73 de Mike

--

Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 FPQRP #244 IPARC #252
EN54pc Winnebago Cty, Wisc.

Date: Tue, 5 Jun 2001 09:41:52 -0400
From: "Ronald A Pfeiffer" <Ronald_A_Pfeiffer@raytheon.com>
To: neqrp@jonal.net, qrp-1@Lehigh.EDU
Subject: [99438] NEQRP SSB NET Tuesday 7:00PM EDST 7.285 +- 5
Message-ID: <0FED93B12B.E324A9EF-0N85256A46.0054A2BB@and.us.ray.com>
MIME-Version: 1.0
Content-type: text/plain; charset=us-ascii

Last week started noisy but ended good.

LAST WEEKS CHECK-INS:

Round 1:

*WA10HR	Ev	Windham,CT	IC756+Dipole
KB1FPM	John	Weston,MA	FT817
AA1MY	Seab	Bethel,ME	IC706

The noise was unbelievable and after a very difficult round 1 we QSY'd to 7.291 where the noise was considerably quiet.

Round 2:

*WA10HR	Ev	Windham,CT	IC756+Dipole
*N1ZTK	Keith	Tolland,CT	FT817
*W1KRT	Ken	Springfield,NH	SGC2020
KB1FPM	John	Weston,MA	FT817
AB8DF	Ed	MI	Ten Tec

Join us tonite for some fun.

Your net control is

N1ZSW Ron Worcester ,MA OMNI VI windom in attic

Date: Tue, 5 Jun 2001 08:42:46 -0500
 From: "Gene Sailsbury" <gsailsbury@mobil1.net>
 To: "Low Power" <qrp-1@Lehigh.EDU>
 Subject: [99439] FS: Ten Tec Century 21 and 670 keyer
 Message-ID: <007e01c0edc5\$700e4ee0\$98c03fd8@8tracker>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

I have a nice Century 21 analog with the matching 670 Keyer. Both work great. Just got a FT-817 so need to clear out some gear. PTO seems to be OK. Dial moves good. You can replace this if you need to down the line with a kit from Ten Tec for 25.00.
 Price is: \$190.00 plus 25.00 Shipping.
 73
 Gene Sailsbury KC0IKY

Date: Tue, 5 Jun 2001 07:36:47 -0700
 From: Tayloe Dan-P26412 <Dan.Tayloe@motorola.com>
 To: "'Dennis Payton'" <dpayton@fwi.com>, "QRPL (E-mail)" <qrp-1@lehigh.edu>
 Subject: [99440] RE: [99348] Re: Op Amps. Interchangeable?
 Message-ID: <87568F78ABDCD211A0AC0008C707718B058C2C80@az10exm03.sat.mot.com>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"

The pin out on almost all single, dual, and quad op-amps the same, so there is no problem from that view point. Quad parts are sometimes favored over duals because

they take up less space and sometimes cost less per op-amp. A LM837 is a nice part (4.5 nV/SqrtHz) and is indeed the quad version of the LM833.

It is true that after the first preamp, noise is less of a factor.

I evaluate this by taking the noise of the first stage (4 nV/SqrtHz) and multiplying by the voltage gain of that op-amp stage. I don't know what the gain is in your receiver, but you can calculate it from the ratio of the feedback resistor to the input resistor.

Suppose you have a gain of 100 (input 50 ohms, feedback 5K ohms), the output noise is 4×100 or 400 nV/SqrtHz. Noise adds with the sum of the squares, so if you use 18 nV/SqrtHz in the 3 stages of phase shifting, the resulting noise is:

$$\text{Sqrt}(18 \times 18 + 18 \times 18 + 18 \times 18 + 400 \times 400) = 400.4 \text{ nV/SqrtHz}$$

Notice that each of the phase shifters have unity gain, and each contribute 18 nV/SqrtHz of noise. However, in this case the 400 nV/SqrtHz term dominates and the more noisy TL072/TL074s contribute a neglectable amount of noise.

Recompute this and check with the actual gain the preamp uses.

In the above example, I would rather use TL074s than the LM837s because of power consumption. Low noise parts consume more power. LT1115s (0.9 nV/SqrtHz) take about 8 ma per op-amp, LM833/837 and NE5532 (4 nV/SqrtHz) take about 3.5 ma per op-amp, as opposed to more noisy types such as TL074s and others in the 0.5 to 1.5 ma range.

However, other considerations come into play later on in the audio chain. A TL074 is good for unity gain stages, but work poorly in high gain audio stage because of its low gain-bandwidth of 4 MHz. 4 MHz sounds high compared to audio, but when configured for a gain of 100x, the bandwidth reduces to 40 KHz (4 MHz/100), leaving little spare excess gain at the high end audio frequencies. Excess gain is used as feedback and reduces distortion in the audio pass band. For higher gain audio, higher gain bandwidth parts are better, such as the LM833 (15 MHz gain-bandwidth) or the LM5532 (10 MHz). The LT1115 make a superb first stage preamp not only because of its ultra low noise, but also because it has a gain-bandwidth product of 40 MHz, 10x that of a TL074. It is obvious that it was intended as a professional high end audio part.

In addition to the above, I like to use the low noise parts on the speaker side of the volume control because these will minimize the amount of background "hiss" that will be heard when the volume is turn way down.

- Dan, N7VE

-----Original Message-----

From: Dennis Payton [mailto:dpayton@fwi.com]
Sent: Monday, June 04, 2001 7:06 PM
To: Tayloe Dan-P26412
Subject: Re: [99348] Re: Op Amps. Interchangeable?

Hi Dan,

Thanks a million for taking the time to share the info.

Could I bother you with another short question? One that will show my ignorance? My biggest problem is selecting a quad op amp for the mini-R2, since I can't find NE5514's. I've been told that after the NE5532 preamps, noise figure is much less important and TL074's will work fine. Also I've wondered about using 5532's all the way through. (Showing my ignorance, is there some reason that a quad op amp would be favored over two duals?) Then I found Digi-Key sells LM837 quad op amps, which someone told me are 833's. Would you advise me as to the best direction to go?

Thanks again!

Denny N9JXY

Date: Tue, 5 Jun 2001 08:50:47 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [99441] Wide posts, how come?
Message-ID: <MABBJOEABOILMKCJCLFCKEPDCHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Every so often I see posts here that are about three screen widths wide. I have to keep scrolling sideways to read them. Is this due to the sender's email software settings, the reflector, or my own email software? I'm using Internet Explorer 5.0 at present. Any ideas?
73, Bob N6WG

Date: Tue, 05 Jun 2001 09:27:19 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: n6wg@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99442] Re: Wide posts, how come?
Message-ID: <3B1D0867.A8C14FFE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bob Tellefsen wrote:

>
> Every so often I see posts here that are about three screen widths wide. I
> have
> to keep scrolling sideways to read them.
> Is this due to the sender's email software settings, the reflector, or my
> own email software?
> I'm using Internet Explorer 5.0 at present.

I've seen that too. In Netscape there is a preferences option to wrap all messages. That eliminated the occasional wide one I saw.

Phil W7OX

Date: Tue, 5 Jun 2001 12:31:40 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: <w7ox@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99443] Re: Wide posts, how come?
Message-ID: <00a501c0eddd\$00ef1e00\$5705b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

There's a "wrap" option in IE, too. I'm not sure if I found it.

Dick K2JQ

-----Original Message-----

From: Phil Wheeler <w7ox@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, June 05, 2001 12:26 PM
Subject: Re: Wide posts, how come?

>I've seen that too. In Netscape there is a preferences option to wrap
>all messages. That eliminated the occasional wide one I saw.

>

>Phil W70X

>

Date: Tue, 5 Jun 2001 09:31:38 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [99444] Milliwatt issues FS
Message-ID: <20010605163138.15242.qmail@web3101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

20 issues of The Milliwatt, Nation Journal of QRPP for
sale as a group only.

1970 Dec, 1971 Feb, Apr, Deb, 1972 Apr, Jun, Aug, Oct,
1973 Feb, Apr, Jun, Aug, Oct 1974 Feb, Apr, Jun, Aug,
Dec 1975 Feb, Jun.

72, Bob KI0G

Do You Yahoo!?
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a year! <http://personal.mail.yahoo.com/>

Date: Tue, 05 Jun 2001 16:33:16 +0000
From: Garie Halstead <k8kfj@ntelos.net>
To: n6wg@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99445] Re: Wide posts, how come?
Message-ID: <3B1CC37C.ECA4FBCA@ntelos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

On Tuesday, 05 June 2001, N6WG wrote:

> Every so often I see posts here that are about three screen widths wide. I
> have
> to keep scrolling sideways to read them.

> Is this due to the sender's email software settings, the reflector, or my
> own email software?

Hello Bob. I have my Netscape wrapping incoming text at 72 characters.
You might check your MS IE and see if perhaps there is a similar
setting.

Hope this helps.

72 //Gary K8KFJ*
West Virginia

Date: Tue, 05 Jun 2001 11:49:35 -0500
From: "George, W5YR" <w5yr@att.net>
To: n6wg@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99446] Re: Wide posts, how come?
Message-ID: <3B1D0D9F.C092C046@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Turn on Line Wrap

72/73, George W5YR - the Yellow Rose of Texas QRP-L 1373 NETXQRP 6

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756PRO #02121 Kachina #91900556 IC-765 #02437

Bob Tellefsen wrote:

>
> Every so often I see posts here that are about three screen widths wide. I
> have
> to keep scrolling sideways to read them.
> Is this due to the sender's email software settings, the reflector, or my
> own email software?
> I'm using Internet Explorer 5.0 at present.
> Any ideas?
> 73, Bob N6WG

Date: Tue, 5 Jun 2001 18:50:55 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99447] Re: Wide posts, how come?
Message-ID: <019001c0eddf\$cb936ba0\$9e8e01d9@ingo>

Hello Bob,

> Is this due to the sender's email software settings, the reflector, or
my
> own email software?

This is NOT YOUR software. Is the software of the SENDER. Netscape and Outlook have i.e. an option to wrap the lenght of a row. The reflector is only a relay and don't change the mails text.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Tue, 5 Jun 2001 09:55:48 -0700 (PDT)
From: N1EU <n1eu@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [99448] Telescoping Poles?
Message-ID: <20010605165548.10426.qmail@web14606.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I'd appreciate suggestions for mail-order vendors for inexpensive telescoping aluminum or fiberglass poles. I'm looking for a pole that will collapse to about 4 ft (walking stick height), and will extend up to 12ft or higher.

I've scoured the Web with little success.

Thanks for any help & 73,

Barry N1EU
www.albany.net/~bg

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Tue, 5 Jun 2001 12:58:06 -0400
From: "Brian" <bmurrey@amexol.net>
To: <dk3red@t-online.de>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99449] Re: Wide posts, how come?
Message-ID: <000d01c0ede0\$b18deea0\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Evil Macintosh computers no doubt.

----- Original Message -----

From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, June 05, 2001 12:50 PM
Subject: Re: Wide posts, how come?

> Hello Bob,
>
> > Is this due to the sender's email software settings, the reflector, or
> my
> > own email software?
>
> This is NOT YOUR software. Is the software of the SENDER. Netscape and
> Outlook have i.e. an option to wrap the lenght of a row. The reflector
> is only a relay and don't change the mails text.
>
> 72 de Ingo, DK3RED
>
> E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red
>
>
>

Date: Tue, 5 Jun 2001 13:00:42 -0400
From: "Newell, John O" <JNewell@goodwinprocter.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99450] RE: Telescoping Poles?
Message-ID: <C3345B3FCEEED2119FAA0008C739ABBD036F318A@bosmsg2.gph.com>

> a pole that will collapse to about 4
> ft (walking stick height), and will extend

Barry --

This sounds like tent poles! I have a source noted somewhere on the other machine, but several sources do sell them, and cheaply.

Better would be graphite, but I don't recall seeing these.

You're aware of the kanga and MFJ telescoping 33ft poles, and the various graphite fishing poles? These are possibly lighter, esp if you go with a 10 or 15 ft graphite fishing pole.

72

John Newell

KB1FPM

This message is intended only for the designated recipient(s). It may contain confidential or proprietary information and may be subject to the attorney-client privilege or other confidentiality protections. If you are not a designated recipient, you may not review, copy or distribute this message. If you receive this in error, please notify the sender by reply e-mail and delete this message. Thank you.

Date: Tue, 5 Jun 2001 13:03:59 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <n1eu@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99451] Re: Telescoping Poles?
Message-ID: <01aa01c0ede1\$8407c4a0\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Home Depot sells both aluminium and fiberglass extension poles for paint rollers. They extent to at least 20' if not more.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: "N1EU" <n1eu@yahoo.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, June 05, 2001 12:55 PM
Subject: Telescoping Poles?

> I'd appreciate suggestions for mail-order vendors for
> inexpensive telescoping aluminum or fiberglass poles.
> I'm looking for a pole that will collapse to about 4
> ft (walking stick height), and will extend up to 12ft
> or higher.
>
> I've scoured the Web with little success.
>

> Thanks for any help & 73,
>
> Barry N1EU
> www.albany.net/~bg
>
> -----
> Do You Yahoo!?
> Get personalized email addresses from Yahoo! Mail - only \$35
> a year! <http://personal.mail.yahoo.com/>
>

Date: Tue, 5 Jun 2001 19:11:33 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99452] Re: Telescoping Poles?
Message-ID: <[01b201c0ede2\\$b27863c0\\$9e8e01d9@ingo](mailto:01b201c0ede2$b27863c0$9e8e01d9@ingo)>

Hello Barry,

> I'd appreciate suggestions for mail-order vendors for
> inexpensive telescoping aluminum or fiberglass poles.
> I'm looking for a pole that will collapse to about 4
> ft (walking stick height), and will extend up to 12ft
> or higher.

1. fishing-rods (is not a joke)
2. Walter Spieth, DK9SQ (<http://www.qsl.net/dk9sq/>)
3. MFJ 1910 (33 ft, collapses to 3.8 ft, weighs 3.3 lbs) 79.95\$
looks like the pole before; PDF catalog last side
(www.mfjenterprises.com)

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Tue, 5 Jun 2001 10:22:04 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [99453] QRP Quarterly FS
Message-ID: <20010605172204.21176.qmail@web3101.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

26 issues for sale as a group

1987, 1, 2, 4, 1988 1. 3. 4, 1990 1, 2, 3, 4, 1991 2,
3, 4, 1992 1, 2, 3, 4, 1993 1, 2, 3, 4, 1994 1, 2, 3,
4, 1995 3

72, Bob KI0G

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a year! <http://personal.mail.yahoo.com/>

Date: Tue, 5 Jun 2001 10:24:30 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [99454] 11-2-10 FS
Message-ID: <20010605172430.21485.qmail@web3101.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

11-2-10 Ten Meter AM CB conversion for sale.
Conversion kit by KD1JV here on the list in 1998.

Looks and works good.

72, Bob KI0G

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35
a year! <http://personal.mail.yahoo.com/>

Date: Tue, 5 Jun 2001 10:26:27 -0700 (PDT)
From: Bob cutter <ki0g@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [99455] Heath Dip Meter FS
Message-ID: <20010605172627.20342.qmail@web3104.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Heath Solid State Dip Meter, Model HD-1250 for sale.

Case, manual and all plug-ins included. Looks and works good.

72, Bob KI0G

Do You Yahoo!?

Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Tue, 05 Jun 2001 10:25:56 -0700
From: Phil Wheeler <w7ox@earthlink.net>
To: dk3red@t-online.de
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99456] Re: Telescoping Poles?
Message-ID: <3B1D1624.13697EFE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ingo DK3RED wrote:

>
> Hello Barry,
>
> > I'd appreciate suggestions for mail-order vendors for
> > inexpensive telescoping aluminum or fiberglass poles.
> > I'm looking for a pole that will collapse to about 4
> > ft (walking stick height), and will extend up to 12ft
> > or higher.
>
> 1. fishing-rods (is not a joke)

The well known St Louis vertical is based on a 20 ft telescoping fishing pole. Can be ordered from Cabellas (I think) or World Radio in Sacramento.

> 2. Walter Spieth, DK9SQ (<http://www.qsl.net/dk9sq/>)

Also sold in US by Kanga.

Phil

Date: Tue, 5 Jun 2001 13:16:45 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [99457] 20<=>6 Transverter
Message-ID: <200106051748.f55Hm1425104@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hi Gang,

Well, not a whole lot of interest in the 20 to 6 meter transverter, but probably enough to make a go of it. I'm going to try adding an other PA stage which should bump the power out to 5+ watts and make a few other refinements.

I'll try to get a scan of the board and post it along with a more complete discription, specs and a firm price some place on the net soon.

Thanks to everyone who has expessed interest so far!

72,

Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 5 Jun 2001 12:08:11 -0600 (MDT)
From: russo@bogoflux.losalamos.nm.us
To: qrp-l@Lehigh.EDU
Subject: [99458] Re: Wide posts, how come?
Message-ID: <200106051808.MAA19826@inago.swcp.com>

The problem of wide posts is definitely a mail configuration issue on the *sender*'s side. Many of the popular programs (especially web browsers being used as mail senders) "wrap" the text as it's being typed, so the sender sees it as having lines of civilized length. But they don't actually insert line breaks when they send, so those of us who don't use web browsers to view email get to see 130 character lines.

A good discussion of this issue and how to fix it can be had at
<http://www.lemis.com/email.html>

Netscape has an option to insert real line breaks on sending. Outlook also does, if you're running a version that hasn't had the option crippled. But by default they both tend to do the wrong thing.

T.

--

Tom Russo KM5VY QRPL #1592 K2#398 <http://www.swcp.com/~russo/>
Tijeras, NM DM64ux SOC #236 ICQ#97201722 <http://www.qsl.net/~km5vy/>
"What if the hokey pokey really is what it's all about?"

Date: Tue, 05 Jun 2001 12:04:38 -0600
From: "Conant, Paul" <paul.conant@lmco.com>
To: "Qrp-L (Post To List) (E-mail)" <qrp-l@lehigh.edu>
Subject: [99459] Midland SWR Meter, Realistic DX-300, and Tuna Tin 2 happenings
Message-ID: <675067CF647BD4118DEA00508BE32AB47EABC7@emss02m09.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

After getting my new MFJ-9030 on the air, I had a few things to do while waiting for the Tuna Tin 2 to arrive from Jay Bromley and the Fort Smith QRP Group. First of all, I'd need a receiver to use with the TT2. I had an old DX-300 that was past its prime. Pulled it down out of the top of the closet to see if I could improve its performance any. I found that its preselector tuning capacitor could not turn through its entire range. Disassembly, cleaning and reassembly of the preselector tuning mechanism, with a little spritz of Teflon lube, took care of that. Now the DX-300 works like a champ and is ready to work along with the Tuna Tin 2. Also found an old Midland SWR meter in a box in the garage. It was encrusted with who knows how many years of dirt. I opened it up, found it to be clean inside. Gave the pot a shot of cleaner, put it back together, and tried it out with the MFJ-9030. Found my SWR was a tad under 3:1. Well, I never worried about it with my 1W Vectronics rig. I can pick up a new 2N3053 final at Radio Shack for a buck; haven't needed to after 10 months of operation with that antenna. But now I know. I'll be doing some trimming. Finally, the Tuna Tin 2 arrived in the mail yesterday. Thanks, Jay. It came with a nice little manual with plenty of good photos of TT2's, lots of history, and good assembly instructions. I am sure I won't be the first to get mine on the air, but am looking forward to meeting up with another TT2 on the air before very long. But it will have to wait until after the QRP forum at HamCom this weekend. CUL and 73,

Paul, WQ5X

Date: Tue, 5 Jun 2001 11:28:50 -0700 (PDT)
From: Mark Janzer <k5mgj@excite.com>

To: qrp-1@Lehigh.EDU
Subject: [99460] The Complete DXer
Message-ID: <1900729.991765730389.JavaMail.imail@digger.excite.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'm looking to buy a copy of "The Complete DXer" by RC Locher. It's out of print and Bill, K5ZTY, has highly recommended it.

If you have it on a shelf gathering dust, it'll get some use in my shack. Please reply off-list. Thanks!!!!

Send a cool gift with your E-Card
<http://www.bluemountain.com/giftcenter/>

Date: Tue, 5 Jun 2001 12:32:31 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [99461] Tape measure Antenna
Message-ID: <F9645092A142D3118CBD00805F15292E143EF72A@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

I was at a swap fest the other day and some guy was walking around with a Yagi antenna he made from PVC and an old tape measure.

I've been searching the web at lunch and have found nothing on it - I guess I could do the calcs my self but I'm not quite sure how much difference a flat 1" wide metal band would be from a wire in the required length. I've got the tape but probably only enough for one antenna so not much room to play.

Anyone know of a site or calculations for the lengths?

de KI00T, Brad

Date: Tue, 5 Jun 2001 13:42:28 -0500
From: "Mike D." <hrg@cifnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99462] RE: The Complete DXer
Message-ID: <001a01c0edef\$457d9a80\$062dbbd0@bozo>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm looking to buy a copy of "The Complete DXer" by RC Locher. It's out of
> print and Bill, K5ZTY, has highly recommended it.

FYI, I spoke with Bob Locher at Dayton and he mentioned that a 3rd edition
is in the works.

73 de Mike, N9BOR
FISTS MAC SMC SOC ZUT
<http://www.qsl.net/n9bor>
MAC <http://www.qsl.net/mac>

di dah dit - The only Roger Beep you'll ever need.
My designated driver is a 12BY7A.

Date: Tue, 05 Jun 2001 14:48:26 -0400
From: Sam Smith <sam.smith@ece.gatech.edu>
To: brad.mugleston@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99463] Re: Tape measure Antenna
Message-ID: <3B1D297A.ABEBBE8@ece.gatech.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Usually used for ARDF work. Look on my radio-orienteering website under links
for a link to the original designers web page.

<http://www.mindspring.com/~sam.smith/gro>

--

Sam Smith N4MAP
sam.smith@ece.gatech.edu

<http://www.mindspring.com/~sam.smith>

Date: Tue, 5 Jun 2001 13:19:08 -0600 (MDT)
From: Brian Mileschosky <n5zgt@swcp.com>
To: "Mugleston, Brad" <brad.mugleston@gwl.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99464] Re: Tape measure Antenna
Message-ID: <Pine.GS0.4.10.10106051317040.20666-100000@inago.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Brad et al.,

The 2-meter tape measure antenna you probably saw is used by many T-Hunters...it is an excellent 2-meter antenna, easy to build, and the element simply collapse and spring back when running or walking through bushes to find a transmitter.

I have one myself and like it quite a bit.

The website you are looking for is

http://home.att.net/~jleggio/projects/rdf/tape_bm.htm

You will find lots of information on it, plus the dimensions you need.
Enjoy!

72,
Brian, N5ZGT
Albuquerque, NM
<http://www.swcp.com/~n5zgt>

On Tue, 5 Jun 2001, Mugleston, Brad wrote:

> I was at a swap fest the other day and some guy was walking around with a
> Yagi antenna he made from PVC and an old tape measure.
>
> I've been searching the web at lunch and have found nothing on it - I guess
> I could do the calcs myself but I'm not quite sure how much difference a
> flat 1" wide metal band would be from a wire in the required length. I've
> got the tape but probably only enough for one antenna so not much room to
> play.
>
> Anyone know of a site or calculations for the lengths?
>
> de KI00T, Brad

>
>

Date: Tue, 5 Jun 2001 15:39:13 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>, "W.D.(Doc)Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Cc: Marshall Emm <mgemm@mtechnologies.com>, Tom Palmer <n1tp@yahoo.com>, Bruce
Rattray <rattray@gpfn.sk.ca>, Chuck Adams <k7qo@primenet.com>
Subject: [99465] [re]Call for FOXES--deadline approaching
Message-ID: <200106051539_MC3-D4D1-87EB@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Many thanks to all who have already written, requesting to be a FOX during
the upcoming 20 Metre FOX Hunt. I appreciate hearing from every one :-).=

Now just in case someone missed it--the deadline for *applying* to be a FOX
during this upcoming hunt is this coming Thursday evening (6/7/01) at
midnight CDT. After that I will contact each selected FOX with the
proposed schedule. ASAP I will publish the final schedule on this QRP-L
Reflector.

Complete details may be found at <http://www.CQC.org/sfox>. Briefly, the
Summer FOX Hunt will begin on June 28, 2001 and run for ten consecutive
weeks (ending August 30, 2001). All hunts will be on Thursday evenings,
and there will be two FOXes each evening.

At the web site you will find the rules, schedule, "meet the foxes," and
progressive results, updated periodically as the information is developed=
..

72,
--Doc/K0EVZ

Date: Tue, 05 Jun 2001 14:31:03 -0500
From: DENNIS SMITH <ne4o@swbell.net>
To: qrp-l@Lehigh.EDU
Subject: [99466] TEST MESSAGE
Message-ID: <000501c0edf6\$114a65c0\$323ffea9@Default>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

HELLO GROUP IS THIS TEST MESSAGE GETTING THRU ?????
PLEASE LET ME KNOW SOMEONE
THANKS DENNIS
ne4o@swbell.net

Date: Tue, 5 Jun 2001 13:58:40 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [99467] Fox - Summer Fox Hunt Teams -
Message-ID: <Pine.LNX.4.33.0106051357080.19543-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We have the BIG DAWGS and the RAIDERS OF THE LOST RF so far...any more
please?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Tue, 05 Jun 2001 16:10:15 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: brad.mugleston@gwl.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99468] Re: Tape measure Antenna
Message-ID: <3B1D3CA7.B2D1F42D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad,

Could you be more specific about the antenna you saw? Was it a PVC beam or was it a tape measure antenna? Lots of PVC beams around. There was an article in QST recently on building one. Tape measure antennas have been mostly dipoles, where you extend the tapes to specific length depending on the band of interest. I have never seen the combination, but that does not mean it doesn't exist. What band was it for?

In my experience the element lengths are either arrived at by trial and error or a specific formula. Either will work, trial and error is more work, and specific measurements imply some experience!

73

Date: Tue, 5 Jun 2001 14:02:39 -0700 (PDT)
From: John Birkett <jbirk44@yahoo.com>
To: ne4o@swbell.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99469] Re: TEST MESSAGE
Message-ID: <20010605210239.90657.qmail@web10003.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ok here.

John, KC2HTP

--- DENNIS SMITH <ne4o@swbell.net> wrote:
> HELLO GROUP IS THIS TEST MESSAGE GETTING THRU ??????
> PLEASE LET ME KNOW SOMEONE
> THANKS DENNIS
> ne4o@swbell.net
>
>

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only \$35
a year! <http://personal.mail.yahoo.com/>

Date: Tue, 05 Jun 2001 17:04:18 -0400 (EDT)

From: "John L. Sielke" <w2agn@pobox.com>
To: DENNIS SMITH <ne4o@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99470] RE: TEST MESSAGE
Message-ID: <XFMail.20010605170418.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Nope, better keep trying.

On 05-Jun-2001 DENNIS SMITH wrote:
> HELLO GROUP IS THIS TEST MESSAGE GETTING THRU ?????
> PLEASE LET ME KNOW SOMEONE
> THANKS DENNIS
> ne4o@swbell.net
>

Date: Tue, 5 Jun 2001 15:31:38 -0600
From: "Mugleston, Brad" <brad.mugleston@gwl.com>
To: sam.smith@ece.gatech.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99471] RE: Tape measure Antenna
Message-ID: <F9645092A142D3118CBD00805F15292E143EF7A4@eb-mail1.gwl.com>
MIME-Version: 1.0
Content-Type: text/plain

Thanks this one looks just like the one I saw.

Brad

> -----Original Message-----
> From: Sam Smith [SMTP:sam.smith@ece.gatech.edu]
> Sent: Tuesday, June 05, 2001 12:48 PM
> To: brad.mugleston@gwl.com
> Cc: Low Power Amateur Radio Discussion
> Subject: Re: Tape measure Antenna
>
> Usually used for ARDF work. Look on my radio-orienteeing website under
> links
> for a link to the original designers web page.
> <http://www.mindspring.com/~sam.smith/gro>
> --
> Sam Smith N4MAP
> sam.smith@ece.gatech.edu

> <http://www.mindspring.com/~sam.smith>

Date: Tue, 5 Jun 2001 14:36:40 -0700
From: <schoon@amgt.com>
To: <qrp-1@Lehigh.EDU>, <ne4o@swbell.net>
Subject: [99472] RE: TEST MESSAGE
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010605213640Z-361@ag-basalt-pxy.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

om sri - bad qrm.....

>-----
>From: DENNIS SMITH[SMTP:ne4o@swbell.net]
>Sent: Tuesday, June 05, 2001 12:31 PM
>To: Low Power Amateur Radio Discussion
>Subject: TEST MESSAGE
>
>HELLO GROUP IS THIS TEST MESSAGE GETTING THRU ?????
>PLEASE LET ME KNOW SOMEONE
>THANKS DENNIS
>ne4o@swbell.net
>
>
>
>

Date: Tue, 05 Jun 2001 17:40:37 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: n1eu@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [99473] Re: Telescoping Poles?
Message-ID: <5.0.2.1.1.20010605173808.026d2e30@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:55 AM 6/5/01 -0700, you wrote:

>I'd appreciate suggestions for mail-order vendors for
>inexpensive telescoping aluminum or fiberglass poles.
>I'm looking for a pole that will collapse to about 4
>ft (walking stick height), and will extend up to 12ft

>or higher.

>

>I've scoured the Web with little success.

Try Texas Towers. They sell aluminum tubing in nesting sizes and 6 ft. lengths. I use a set of 4 for my portable 22 foot mini-tower.

72 and GL,

Jim, K8IQY

Date: Tue, 5 Jun 2001 15:34:31 -0700 (PDT)
From: David McGinnis <n7mjw@yahoo.com>
To: qrp-1@Lehigh.EDU
Subject: [99474] FS QRP Plus \$300
Message-ID: <20010605223431.33847.qmail@web11405.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For Sale Index Labs QRP Plus. Not the QRP ++. Has had the software upgrade but no hardware upgrades. No modifications. Used very little and is in great shape.
\$300

Email or Phone.
n7mjw@yahoo.com
(406)258 6031
David McGinnis

Do You Yahoo!?
Get personalized email addresses from Yahoo! Mail - only \$35 a year! <http://personal.mail.yahoo.com/>

Date: Tue, 05 Jun 2001 18:51:20 -0400
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99475] OT-Wide posts like attachments
Message-ID: <3B1D6268.DE83B37B@nr.infi.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys, this is pretty off topic, but since you mentioned it.... :-)

I'm having the same problem with Netscape 4.72. Except that some of the messages I receive appear not as messages, but like attachments. That is, there is no message, just a little box with two sections. The left side will say something like Part 1.1 and be colored blue. The right side will say something like TYPE: Plain Text(plain text).

If I click on the left (blue) part, Netscape changes from the Messenger to the Navigator, and the text appears. Now the text has no paragraph format unless the writer hit the <ENTER> key. So a long sentence may be two or three screens wide, and I have to scroll to read it. The second problem with this is that in order to resume reading my email, I have to switch back to the Messenger manually.

I thought it was something that had happened to my computer, but obviously if others are experiencing it....

I have noticed that messages from certain people are always in this "Attachment" format.

Anyone have a clue about what's going on?

--
73,
Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

End of QRP-L Digest 2211

